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November 8, 2004

**Confirmation No. 7846**

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Re: U.S. Non-Provisional Patent Application No. 10/712,805  
Filed: November 12, 2003  
For: **Method and System for In-Air Ultrasonic Acoustical  
Detection and Characterization**  
Inventors: Paul FEINTUCH *et al.*  
Our Ref: 02708.0147.NPUS01

Sir:

The following documents are forwarded herewith for appropriate action by the U.S.  
Patent and Trademark Office:

1. Information Disclosure Statement;
2. Form PTO/SB/08a (2 pages);
3. Copy of International Search Report; and
4. Return postcard.

It is respectfully requested that the attached postcard be stamped with the filing date of these documents and returned to our courier.

The U.S. Patent and Trademark Office is hereby authorized to charge any fee deficiency, or credit any overpayment, to our Deposit Account No. 08-3038, referencing the above docket number. *A duplicate copy of this letter is enclosed.*

Respectfully submitted,

Michael J. Bell (Reg. No. 39,604)  
Andrew Sommer (Reg. No. 53,932)

Enclosures



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of:

Paul FEINTUCH *et al.*

Appl. No. 10/712,805

Filed: November 12, 2003

For: **Method and System for In-Air Ultrasonic  
Acoustical Detection and Characterization**

Art Unit: 3662

Examiner: To be determined

Atty. Docket: 02708.0147.NPUS01

**Information Disclosure Statement**

***Confirmation No. 7846***

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Sir:

Listed on accompanying Form PTO/SB/08a are documents that may be considered material to the examination of this application, in compliance with the duty of disclosure requirements of 37 C.F.R. §§ 1.56, 1.97 and 1.98.

Where the publication date of a listed document does not provide a month of publication, the year of publication of the listed document is sufficiently earlier than the effective U.S. filing date and any foreign priority date so that the month of publication is not in issue. Applicants have listed publication dates on the attached PTO/SB/08a based on information presently available to the undersigned. However, the listed publication dates should not be construed as an admission that the information was actually published on the date indicated.

Applicants reserve the right to establish the patentability of the claimed invention over any of the information provided herewith, and/or to prove that this information may not be prior art, and/or to prove that this information may not be enabling for the teachings purportedly offered.

This statement should not be construed as a representation that a search has been made, or that information more material to the examination of the present patent application does not exist. The Examiner is specifically requested not to rely solely on the material submitted

herewith. It is further understood that the Examiner will consider information that had been cited by or submitted to the U.S. Patent and Trademark Office in a prior application relied on under 35 U.S.C. § 120. 1138 OG 37, 38 (May 19, 1992).

Applicants have checked the appropriate boxes below.

- ☒ 1. This Information Disclosure Statement is being filed;
- ☐ a. Within three months of the U.S. filing date of a national application other than a continued prosecution application under §1.53(d);
  - ☐ b. Within three months of the date of entry of the national stage as set forth in §1.491 in an international application;
  - ☒ c. Before the mailing date of a first Office Action on the merits;
  - ☐ d. Before the mailing of a first Office Action after filing of a request for continued examination under § 1.115.

No statement under 37 C.F.R. § 1.97(e) or fee is required.

or;

- ☐ 2. This Information Disclosure Statement is being filed after the period specified in paragraph 1(a)-1(d) above, but before the mailing date of a Final Rejection or Notice of Allowance, or action that otherwise closes prosecution in the application, and
- ☐ a. I hereby state that each item of information contained in this Information Disclosure Statement was first cited in any communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of this Information Disclosure Statement. 37 C.F.R. § 1.97(e)(1), or
  - ☐ b. I hereby state that no item of information in this Information Disclosure Statement was cited in a communication from a foreign patent office in a counterpart foreign application, and, to my knowledge after making reasonable inquiry, no item of information contained in this Information Disclosure Statement was known to any individual designated in 37 C.F.R. § 1.56(c) more than three months prior to the filing of this Information Disclosure Statement. 37 C.F.R. § 1.97(e)(2), or

- ☐ c. Attached is our Check No. \_\_\_\_\_ in the amount of \_\_\_\_\_ in payment of the fee under 37 C.F.R. § 1.17(p).
- ☐ 3. This Information Disclosure Statement is being filed more than three months after the U.S. filing date and after the mailing date of a Final Rejection or Notice of Allowance, but on or before payment of the Issue Fee. Attached is our Check No. \_\_\_\_\_ in the amount of \$ \_\_\_\_\_ in payment of the fee under 37 C.F.R. § 1.17(i), and
- ☐ a. I hereby state that each item of information contained in this Information Disclosure Statement was first cited in any communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of this Information Disclosure Statement. 37 C.F.R. § 1.97(e)(1), or
- ☐ b. I hereby state that no item of information in this Information Disclosure Statement was cited in a communication from a foreign patent office in a counterpart foreign application, and, to my knowledge after making reasonable inquiry, no item of information contained in this Information Disclosure Statement was known to any individual designated in 37 C.F.R. § 1.56(c) more than three months prior to the filing of this Information Disclosure Statement. 37 C.F.R. § 1.97(e)(2).
- ☐ 4. Relevance of the non-English language document(s) is discussed in the present specification.
- ☒ 5. Some of the documents were cited in a corresponding International Application PCT/US03/36648. An English language version of the International Search Report is attached for the Examiner's information.
- ☐ 6. A concise explanation of the relevance of the non-English language document(s) appears below:
- ☐ 7. The Examiner's attention is directed to co-pending U.S. Patent Application No. \_\_\_\_\_, filed \_\_\_\_\_, which is directed to related technical subject matter. The identification of this U.S. Patent Application is not to be construed as a waiver of secrecy as to that application now or upon issuance of the present

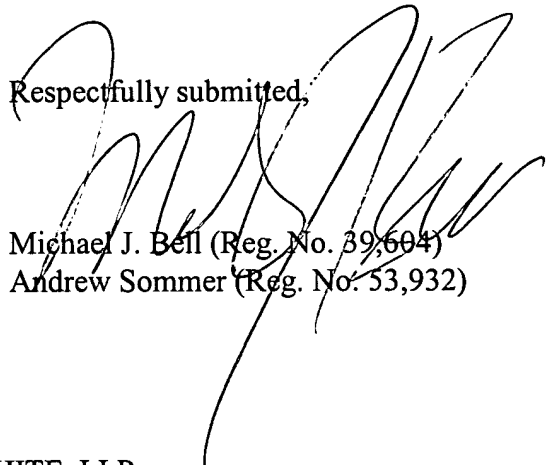
application as a patent. The Examiner is respectfully requested to consider the cited application and the art cited therein during examination.

- ☒ 8. Copies of U.S. Patents and published applications are not attached since the application was filed after June 30, 2003. US PTO OG Notices: August 5, 2003.

It is respectfully requested that the Examiner initial and return a copy of the enclosed PTO/SB/08a, and to indicate in the official file wrapper of this patent application that the documents have been considered.

The U.S. Patent and Trademark Office is hereby authorized to charge any fee deficiency, or credit any overpayment, to our Deposit Account No. 08-3038 referencing docket number 02708.0147.NPUS01.

Respectfully submitted,

  
Michael J. Bell (Reg. No. 39,604)  
Andrew Sommer (Reg. No. 53,932)

Date: November 8, 2004

**Customer No. 22930**  
HOWREY SIMON ARNOLD & WHITE, LLP  
2941 Fairview Park Drive, Box 7  
Falls Church, VA 22042

NOV 08 2004

PTO/SB/08a (08-03)

Approved for use through 07/31/2006. OMB 0651-0031

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

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**INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT**

(Use as many sheets as necessary)

Sheet

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of

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**Complete if Known**

Application Number	10/712,805
Filing Date	November 12, 2003
First Named Inventor	FEINTUCH et al.
Art Unit	3662
Examiner Name	To be assigned
Attorney Docket Number	02708.0147.NPUS01

**U. S. PATENT DOCUMENTS**

Examiner Initials*	Cite No. <sup>1</sup>	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code <sup>2</sup> (if known)			
	1	us-3,771,116	11-06-1973	Farrah	
	2	us-3,803,603	04-09-1974	Perot	
	3	us-4,112,756	09-12-1978	MacLennan, et al.	
	4	us-4,451,909	05-29-1984	Kodera, et al.	
	5	us-4,456,982	06-26-1984	Tournois	
	6	us-4,703,440	10-27-1987	Birk, et al.	
	7	us-4,731,762	03-15-1988	Hanks	
	8	us-4,953,141	08-28-1990	Novak, et al.	
	9	us-4,972,385	11-20-1990	Teel	
	10	us-4,975,889	12-04-1990	Petrucelli, et al.	
	11	us-5,062,088	10-29-1991	Davidson, et al.	
	12	us-5,067,115	11-19-1991	Wada	
	13	us-5,161,125	11-03-1992	Maccabee	
	14	us-5,206,652	04-27-1993	Hoyt, et al.	
	15	us-5,287,331	02-15-1994	Schindel, et al.	
	16	us-5,295,119	03-15-1994	Sarac	
	17	us-5,337,053	08-09-1994	Dwyer	
	18	us-5,341,346	08-23-1994	Youlton	

**FOREIGN PATENT DOCUMENTS**

Examiner Initials*	Cite No. <sup>1</sup>	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T <sup>6</sup>
		Country Code <sup>3</sup> Number <sup>4</sup> Kind Code <sup>5</sup> (if known)				

Examiner  
SignatureDate  
Considered

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. 1 Applicant's unique citation designation number (optional). 2 See Kinds Codes of USPTO Patent Documents at [www.uspto.gov](http://www.uspto.gov) or MPEP 901.04. 3 Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). 4 For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. 5 Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. 6 Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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		Number-Kind Code <sup>2</sup> (if known)			
	19	us-5,453,932	09-26-1995	Brabec	
	20	us-5,526,321	06-11-1996	Kim	
	21	us-5,577,006	11-19-1996	Kuc	
	22	us-5,608,689	03-04-1997	Capell, Sr.	
	23	us-5,615,174	03-25-1997	Arnaud, et al.	
	24	us-5,914,912	06-22-1999	Yang	
	25	us-5,930,201	07-27-1999	Cray	
	26	us-5,943,295	08-24-1999	Varga, et al.	
	27	us-6,070,832	06-06-2000	Redd	
	28	us-6,202,034	03-13-2001	Li	
	29	us-6,222,479	04-24-2001	Honigsbaum	
	30	us-6,268,803	07-31-2001	Gunderson, et al.	
	31	us-6,289,327	09-11-2001	Woodsum, et al.	
	32	us-6,304,179	10-16-2001	Lotito, et al.	
	33	us-6,323,441	11-27-2001	Hager, et al.	
	34	us-6,326,886	12-04-2001	Hoffsommer	
		us-			
		us-			

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Examiner Initials*	Cite No. <sup>1</sup>	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T <sup>6</sup>
		Country Code <sup>3</sup> Number <sup>4</sup> Kind Code <sup>5</sup> (if known)				

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\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. 1 Applicant's unique citation designation number (optional). 2 See Kinds Codes of USPTO Patent Documents at [www.uspto.gov](http://www.uspto.gov) or MPEP 901.04. 3 Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). 4 For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. 5 Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. 6 Applicant is to place a check mark here if English language Translation is attached.

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